140 l/min • 5 CFM • 8.5 m³/hr. Two Stage Rotary Vacuum Pump

**Features**
- Extremely Quiet
- Virtually Vibration Free
- Two Year Warranty
- Anti Suck Back Design
- Corrosion Resistant
- Motors for Any Voltage
- Satisfaction Guaranteed
- Complies with Machinery Directive 98/37/EC

**Applications**
- Refrigeration and A/C Service
- Vacuum Ovens and Furnaces
- Electron Microscopes
- Freeze Dryers
- Cluster Tool Load Locks
- Sputter and Deposition Systems
- Vacuum Ovens & Furnaces • Freeze Dryers
- Cluster Tool Load Locks • Backing Turbo Pumps
- Sputter & Deposition Systems

**Pumping Speed @ 60 Hz**
140 l/min, 5 CFM, 8.5 m³/hr.

**Ultimate Pressure Gas Ballast Closed**
5 x 10⁻³ Torr, .007 mbar, 5 Microns

**Ultimate Pressure Gas Ballast Open**
5 x 10⁻³ Torr, .07 mbar, 50 Microns

**Standard Motor, Includes On/Off**
115V, 1 phase, 60 Hz, 1/2 hp

**Switch & Circuit Breaker**

**CE Mark, complies with**
Machinery Directive 98/37/EC

**Optional Motor**
230V, 1 phase, 50 Hz, 1/2 hp

**Power Connection**
6 ft. (2 m) 3 conductor cord

**Motor speed @ 60 Hz**
1700 r.p.m.

**Oil capacity**
500 cc; 0.53 Qt.

**Weight Net: 40 lbs., 18 kg**
Shipping: 45 lbs., 21 kg

**Intake & exhaust type/diameter**
Tee with 1 of 3/8 & 1 of 1/4 in. fittings NW-16 or NW-25 optional

**Exhaust**
Through Handle

**Ambient operating temperature**
7° to 40°C, 45° to 104°F

**Ordering Information**

**MODEL 140-5 Rotary Vane Vacuum Pump.**

p/n 140-115-60 115V, 60 Hz, 1 phase, 1/2 hp. ........................................... $983

p/n 140-230-60 230V, 50 Hz, 1 phase, 1/2 hp. ........................................... $983

**NW-16 or NW-25 Intake** instead of tube tee described in specifications.
Order as a separate item: P/N 140-16 or P/N 140-25 ................................. $77

NW-16 and NW-25 intake flanges face the side of the pump.